**Curriculum Vitae**

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| **Jonghoon Kim**  Assistant Professor  Department of Electrical Engineering  Chosun University  309 Pilmun-daero Dong-gu Gwangju 501-759 Republic of Korea  Tel : +82-62-230-7033  Fax : +82-62-230-7020  E-mail : [whdgns0422@chosun.ac.kr](mailto:whdgns0422@chosun.ac.kr), [qwzxas@hanmail.net](mailto:qwzxas@hanmail.net) |  |

**Experience (Education & Research & Teaching)**

☑ Assistant Professor, Chosun University

- Teaching at Department of Electrical Engineering

. Teaching in Spring : Electromagnetics1, Electric Application, Electric Measurement

. Teaching in Fall : Electromagnetics2, Power Electronics, Microprocessor

- Research interests

. Battery management system (State-of-Charge (SOC) & State-of-Health (SOH) Algorithm)

Screening, Battery Modeling, Voltage/SOC equalization, Thermal Management

Heuristic method-based analysis : fuzzy, neural network, etc.

. Li-Air Battery Modeling and Electrochemical Analysis

. Vanadium Redox Flow Battery Modeling and Electrochemical Analysis

. Fuel Cell Ripple Mitigation, System Modeling, Diagnosis, Screening, Thermal Management

. Wavelet, Data-Mining, Adaptive Methods (Kalman Filter, Sliding-Mode Observer, etc)

. Other Related Topics (Converter Control & Design)

. Energy storage System (ESS), Smart Grid

☑ Senior Engineer, Samsung SDI Co., Ltd. Mar. 2012 – Aug. 2013

- Power Conditioning System (PCS) Team, Energy Storage System (ESS) Group, Energy

Solution (ES) Division

- Elemental Technology Group, Energy Solution (ES) Division

☑ Master of Science & Doctor of Philosophy Feb. 2012

School of Electrical Engineering and Computer Science, Seoul National University, Korea

Dissertation : Screening Process and Battery Pack Modeling for Improved Battery Management

System

Advisor : Prof. Bohyung Cho, Ph.D.

☑ Bachelor of Science Feb. 2005

Department of Electrical Engineering, Chungnam National University, Korea

**Professional Service**

☑ Membership

IEEE Power Electronics Society, IEEE Industrial Electronics Society,

Korean Institute of Power Electronics, The Korean Institute of Electrical Engineers

☑ Reviewer

IEEE Trans. Industrial Electronics, IEEE Trans. Power Electronics, Energy, Measurement,

IEEE Trans. Energy Conversion, Journal of Power Electronics, etc.